

### Description

The GFI Live Fiber Identifier allows you to detect traffic and measure signals anywhere on singlemode fibers without having to disconnect them. It also lets you check for signal presence before rerouting or maintenance, perform continuity tests and verify cable labeling.

Based on non-destructive macrobending technology, the GFI doesn't disrupt traffic, damage or overstress the fiber, enabling efficient, accurate and reliable data acquisition.

### Features

- Indicate the signal directions in fiber
- Indicate the signal presence or absence (Live or dark fiber)
- Detect tones 270Hz, 1kHz and 2kHz to verify the modulated signal type
- Handhold design
- Build in VFL 1mW or 10mW optional
- Battery low indication
- Powered by 2 units of 1.5V AA batteries
- One-year warranty and Three-year recommended calibration interval

## GFI Series

### Optical Fiber Identifier



### Customization event

- ① VFL power level
- ② OEM service can be provided

#### SPECIFICATIONS

Model	GFI-400	GFI-420S	GFI-420L
Wavelength Range	800 to 1700nm (SM)		
Recognizable signal type*	CW, 2kHz, 1kHz, 270Hz +/-10%		
Detector Type	InGaAs 2pcs		
Fiber Type	0.9, 0.25, 2.0, 3.0 mm fiber		
Sensitivity	+10 ~ -50dBm		
Accuracy *	+10dB to -30 dBm (Continuous Wave) / +10dB to -25 dBm (Modulated Signal)		
LED Indicator	Signal direction; signal frequency (2kHz/1kHz/270Hz); low battery		
Visual Fault Locator	No	1mW	10mW
Power Supply	AA * 2		
Size(H*W*D)	230mm * 45mm * 45mm		
Weight	200g		
Storage Temperature	-20 -- +70 C, < 90%RH		
Operating Temperature	-10 -- +50 C, < 90%RH		

#### GENERAL SPECIFICATIONS

Size(H*W*D)	230mm * 45mm * 45mm
Weight	About 200g
Storage Temperature	-20 -- +60 C, < 90%RH
Operating Temperature	-10 -- +50 C, < 90%RH

\* at 20.3 degrees, indoor, 1550nm wavelength, 0.9mm fiber, with white coat, 270Hz, error < 5%  
 \* 0.25, 2.0, 3.0mm fiber, the performance at continuous wave will be lower  
 \* 1KHz, 2KHz, the performance at modulated signal will be lower  
 \* at 1310nm wavelength, the performance will be lower

#### ORDERING INFORMATION



- 1 GFI-400: Standard live fiber identifier without VFL
- 2 GFI-420S: Standard live fiber identifier with 1mw VFL
- 3 GFI-420L: Standard live fiber identifier with 10mw VFL